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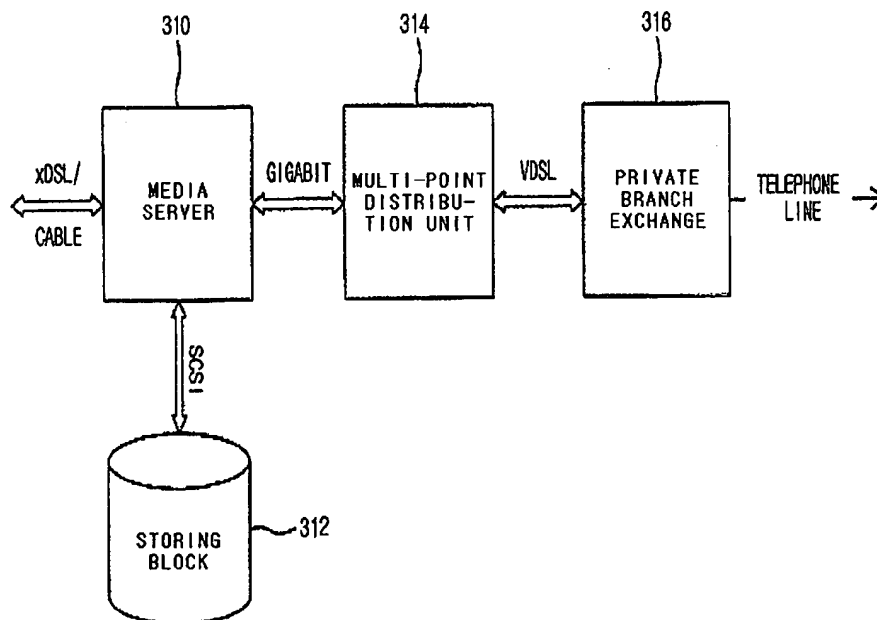
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(54) Title: **REALTIME SERVICE SYSTEM USING THE INTERACTIVE DATA COMMUNICATION AND METHOD THEREOF**



(57) Abstract: The present invention relates to a real-time service system and method using an interactive data communication for implementing a high quality real time interactive service of a DVD class for various contents with by means of smooth interactive communication between a service provider and a user. The system comprises: a plurality of digital set-top boxes of users for replaying service contents selected by the user in real time through a television by being supplied through a telephone line of a very high-data rate digital subscriber line (VDSL); a number of system operating device installed by a predetermined region unit and connected to the plurality of digital set-top boxes of the users in a

corresponding region via a telephone line of the VDSL for supplying the service contents required at a corresponding set-top box in real time by the interactive data communication with an arbitrary digital set-top box; and a service providing device for storing various service contents received from a contents providing device and for supplying the corresponding service contents to a corresponding system operating device in real time in response to a service content request from the system operating device inputted through the Internet. It can overcome the limit of a conventional Internet network in speed by employing VDSL transmission method through a system operating device of a system operator as a franchise of a cyber marker and, at the same time, enables a smooth interactive communication between a service providing device of a service provider and a digital set-top box of a user, thereby realizing a high quality real time interactive service of a DVD class for various contents.